

Title (en)

Detector for low frequency alternating signals for a telephone trench.

Title (de)

Detektor für Niederfrequenz-Wechselstromsignale für eine Telefonverbindungsleitung.

Title (fr)

Détecteur de signaux alternatifs basse fréquence notamment pour joncteur téléphonique.

Publication

**EP 0404002 A1 19901227 (FR)**

Application

**EP 90111425 A 19900618**

Priority

FR 8908119 A 19890619

Abstract (en)

Detector of low frequency alternating signals, in particular for recognising tone signals in an analogue network line trunk of a private-type telephone installation. <??>The detector contains an amplifier (1) connected, on the one hand, to the input of a bandpass filter (2) and, on the other hand, to the input of a first rectifying-filtering cell (3), a second rectifying- filtering cell (4) and a presence detector with threshold (5) which are connected to the output of the bandpass filter (2). The output from the detector (5) authorises, or not, the comparing, by a comparator (6), of the input and output signals of the filter, and a signalling of the presence of the expected alternating signal. <IMAGE>

IPC 1-7

**H04Q 1/446**; **H04Q 1/46**

IPC 8 full level

**H04Q 1/446** (2006.01); **H04Q 1/46** (2006.01)

CPC (source: EP US)

**H04Q 1/446** (2013.01 - EP US); **H04Q 1/46** (2013.01 - EP US)

Citation (search report)

- [A] AT 338881 B 19770926 - KAPSCH TELEPHON TELEGRAPH [AT]
- [A] FR 2551604 A1 19850308 - THOMSON CSF MAT TEL [FR]
- [X] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 22, no. 9, février 1980, pages 4098-4099, New York, US; G. ORENGO: "Circuit for improving noise immunity in tone detection"
- [A] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 26, no. 8, janvier 1984, New York, US; Y. BONNET: "Tone detection circuit"

Designated contracting state (EPC)

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DOCDB simple family (publication)

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